

Microbiology and Immunology Requirements 2007-08

Course requirements (Total of 11 different courses, not including Research)

09/04/07

Aut:	BIOSCI/DBIO/GENE 203 BIOSCI 230 MI 250 *	Advanced Genetics (4 units) Molecular and Cellular Immunology (4 units) Frontiers in Microbiology & Immunology (1 unit)
Wtr:	MI 209 BIOSCI 214/BIOC 224 MED 255	Advanced Pathogenesis of Bacteria, Viruses, and Eukaryotic Parasites, Part I (4 units) Cell Biology of Physiological Processes (5 units) Ethics: The Responsible Conduct of Research (1 unit)
Spr:	MI 204 MI 210 MI 215	Innate Immunology (3 units) Advanced Pathogenesis of Bacteria, Viruses, and Eukaryotic Parasites, Part II (4 units) Principles of Biological Technologies (3 units)
One of the following:	DBIO 210 IMMUNOL 201/MI 211 IMMUNOL 202/MI 212 MCP 256 CSB 210 CSB 220 SBIO/BIOC/BIOPHYS 241	Developmental Biology (Spr, 5 units) Advanced Immunology I (Wtr, 3 units) Advanced Immunology II (Spr, 3 units) How Cells Work: Energetics, Compartments and Coupling in Cell Biology (Spr, 4 units) Signal Transduction Pathways and Networks (Wtr, 4 units) Chemistry of Biological Processes (Aut, Alternate Yrs., 4 units) Biological Macromolecules (Aut., 3-5 units)

Additionally: At least one elective chosen by the student and advisor.

*Register for MI 250 (Journal Club) once in first year and once in second year, for a total of 2 units. Register for MI 399 Graduate Research as needed to maintain enrollment in 10 units each quarter, including Summer, until you reach TGR status (135 units) and begin register for MI 802 (zero units).

Other requirements

1st year	M&I seminar and speaker luncheon attendance M&I Journal Club (MI 250) participation Aut., Wtr., Spr. quarters Two to four laboratory rotations (commitment to join a lab is made after 04/01/08) Faculty research seminars ("Tuesday Talks" in Autumn quarter)
2nd year	M&I seminar and speaker luncheon attendance M&I Journal Club (MI 250) participation Aut., Wtr., Spr. quarters Thesis committee (10-page double-spaced thesis research proposal, due 11/1/08) Qualifying exam (20-page double-spaced research proposal, due 5/1/09; oral defense)
3rd year	University Teaching Assistant orientation and training Two courses Teaching Assistantship Seminar attendance Thesis committee meeting Poster presentation at Department Retreat (chair a session)
4th, etc.	Semi-annual thesis committee meeting Seminar attendance Oral presentation at Department Retreat One additional oral presentation (Friday Noon Seminar Series, CMB Symposium, National or International Meeting or Department Retreat)